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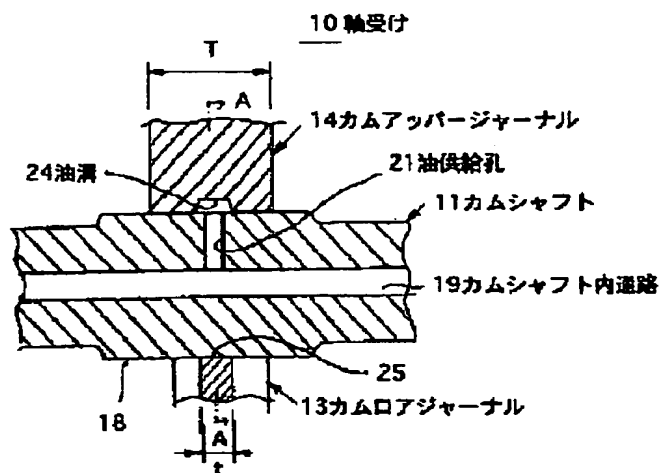
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APPLICANT : TOYOTA MOTOR CORP;

INVENTOR : YOSHIDA MANABU;

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TITLE : LUBRICATION STRUCTURE FOR CAM SHAFT BEARING



ABSTRACT : PURPOSE: To provide secure lubrication in a lubrication structure for a cam shaft bearing in which lubricating oil is supplied to between the cam shaft bearing and a journal part of a cam shaft, even in the cam shaft bearing in which a width of a lower part bearing is set to be relatively small to a width of an upper shaft bearing.

CONSTITUTION: A cam shaft 11 is composed to be supported by a cam lower journal 13 and a cam upper journal 14, a journal width (t) of the cam lower journal 13 is set to be relatively small to a journal (T) of the cam upper journal 14. An oil supply hole 21 to supply lubricating oil in a diametric direction to a cam shaft 11 is formed to set lubricating oil supply quantity to the cam lower journal 13 smaller than lubricating oil supply quantity to the cam upper journal 14. An oil groove 24 is formed at an applicable position to the oil supply hole 21 of the upper journal 14.

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